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四川省虻科二新种（双翅目）

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美腹虻 *Tabanus callogaster* 新种（图 1）

雌虫体长 14 毫米。头部：复眼具 1 条带。前额黄棕色，具黑毛，基部略窄于端部，高度为基部宽度的 3.7 倍。亚胛及颊基部 1/6 呈黄棕色，颊其余部分及颜灰色。基胛黑色，略呈卵圆形，向外突起明显，两侧与眼分离。中胛矛头状与基胛相连，亦呈黑色。柄节、梗节浅棕色，具黑毛，鞭节红棕色，顶端有明显的钝角，环节部分及鞭节端部黑色。下颚须灰色，第 1 节多白毛，第 2 节端部窄狭，黑、白毛间杂，有灰色粉被。口毛白色。胸部：盾片及小盾片灰色，具黄毛。侧板灰色，具白毛，中侧片具黄毛。腹板灰色，具白毛。翅透明，翅脉棕色，R_4 脉无附脉。足股节黑色，前足股节具黑毛，中足股节覆白色毛，仅后足股节具黄毛；前足胫节基部 2/3 白色、具同色毛，其余部分黑色、具黑毛，中、后足胫节白色、具黄

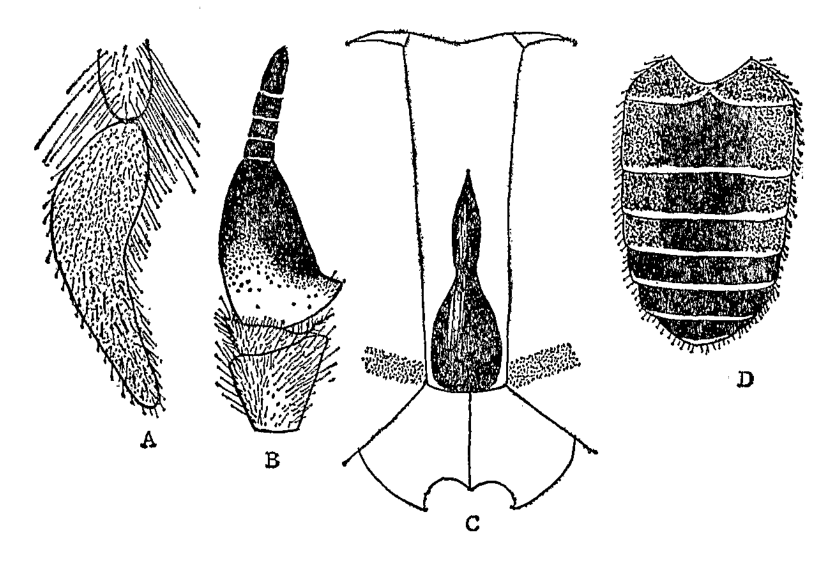


图 1 美腹虻 *Tanaus callogaster* sp. nov.
A. 下颚须；B. 触角；C. 前额；D. 腹部。

毛，仅端部 1/5 黑色；跗节黑色。平衡棒头棕黑色，柄浅黄色。腹部：背板第 1 节黄色，第 2—4 节中央具黑色圆斑，两侧为金黄色、并覆同色毛，其后各节黑色，每节后缘具黄色毛带。腹板灰黑色，有黑毛，每节后缘亦有黄色毛带。

本文于 1985 年 10 月收到。

雄虫　未详。

正模♀，四川汶川卧龙 1800 米，1983. VII. 25，张学忠采。保存于中国科学院动物研究所。

本新种属于 Schuurmann Stekhoven (1926) 第 8 类群，但该类群中没有一种与本种腹部背板纹饰相似，无疑为一新种。

棕角麻虻 *Haematopota brunnicornis* 新种(图 2)

雌虫体长 12—14 毫米，黑色种。头部：前额灰黑色，具黑、白色毛，基部宽度明显大于高度及端部宽度。基胛黑色，窄长、呈带状，两侧与眼接触。侧斑大、黑色、略呈三角形与眼接触，但与基胛相分离。中央点明显，黑色，略呈卵圆形。两触角间具天鹅绒黑斑。颜与上侧颜深灰色，具零散的黑色小斑。柄节卵圆形，基部窄、端部逐渐变粗，覆薄的灰色粉被，但大部具棕色光泽及黑毛；梗节密覆黑毛；鞭节黑色、基节略短于柄节长度。下颚须第 2 节基部较宽扁，浅棕色，长约为宽的 2.5 倍，密覆黑、白两色毛。胸部：盾片黑色，有白毛，具 3 条灰白色条纹，中央 1 条细，两侧条纹较宽，并终止于盾沟，盾沟后缘具灰白色小斑。小盾片黑色，中央具灰色圆斑或无。翅黑棕色，翅沿各横脉具棕黑色斑，整个翅具白色云朵状花纹，后室端部白斑不明显或有时第 5 后室具不明显白色三角形斑，翅尖带细、单一达到或不达到翅后缘。前足股节灰色，中、后足股节红棕色；胫节黑色，各具有 2 个棕色环；跗节除第 1 节棕色外，其余各节为黑色。平衡棒柄浅棕色，但棒头黑色。腹部：背板黑色，每节具浅色后缘，第 4—7 节两侧具白色小圆斑。腹板灰色，中央具黑色条纹。

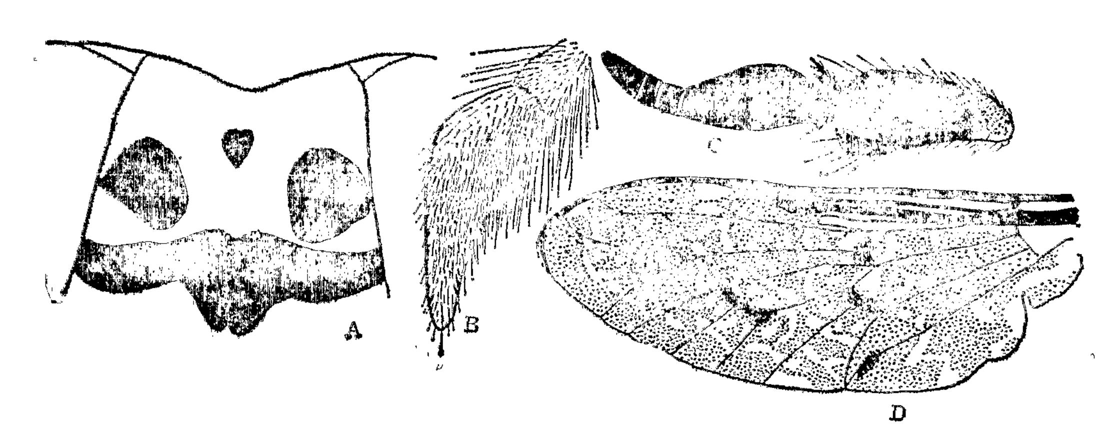


图 2　棕角麻虻 *Haematopota brunnicornis* sp. nov.

A. 前额；B. 下颚须；C. 触角；D. 翅。

雄虫体长 13 毫米。复眼上部 2/3 小眼面大于下部 1/3 小眼面。亚胛灰色，中央具黑色光泽。上侧颜灰色，具大量黑色小斑及黑毛。颜及亚胛密覆黄毛。触角黑色，柄节卵圆形、长为宽的 2.5 倍，密覆长黑毛，柄节长度明显长于鞭节基节长度。下颚须第 2 节浅棕色，卵圆形，密覆黑色长毛。腹部背板第 2—3 节两侧具棕色斑。前足胫节亚基部具有 1 个棕色环。其余部分皆同雌虫。

正模♀，四川理塘康戉 3700 米，1982. VI.1，柴怀成采。配模♂及副模 299♀♀ 产

地同正模，副模2♀♀四川乡城柴何，3000米，1982.VI.20。模式标本保存于中国科学院动物研究所。

本种相似于 *Haematopota gregori* Stone *et* Philip，但前者柄节卵圆形，具棕色光泽；前额宽，侧斑大而与后者相区别。

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TWO NEW SPECIES OF TABANIDAE (DIPTERA) FROM SICHUAN, CHINA

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Tabanus callogaster sp. nov. (fig. 1)

Female. Length 14 mm. Eye with a band (relaxed). Frons yellow-brown with black hairs, slightly widened above, index about 1:3.7. Subcallus and basal 1/6 of cheeks yellow-brown, remainder and face gray. Basal callus black nearly oval-round shaped, distinctly convex, slightly separated from the eyemargins. Median callus spear connected with basal callus, black. Antenna, scape and pedicel brownish with black hairs; flagellum reddish-brown, dorsal angle distinct, apical portion of flagellum and style black. Palpus gray, palpus II with mixed black and white hairs, apex of palpus narrow. Beard white. Scutum and scutellum gray, with yellow hairs; pleuron and sternum gray, with white hairs but mesopleura with yellow hairs. Wings clear, veins brown R_4 without appendix. Femora black; basal 2/3 of fore tibia white, remainder black, posterior tibiae white only apex black; tarsi black. Halteres stem yellowish knob brownblack. Tergete I yellow, tergites II-IV with black round spots at middle, yellow laterally with concolorods hairs, following segments black, hind margins of all tergites and sternites with a band of yellow hairs. Venter gray-black with black hairs.

Male. Unknown.

Holotype ♀, Wenchuan County (Wolong) Sichuan Province 1800 m, July 25, 1983, collected by Zhang Xue-zhong. Deposited in the Institute of Zoology, Academia Sinica.

This species belongs to group VIII of Schuurmann Stekhoven (1926), but distinguished by none of this group with ornamentation similar to the present species.

Haematopota brunnicornis sp. nov. (fig. 2)

Famale. Length 12—14 mm, black species. Frons gray-black, with black and white haris,

basal width longer than hight and apical width. Paired spots subtriagular touching eye magins but narrowly separated from callus, callus black, band-shaped touching eyemargins; mid-frontal spot distinct, black oval shaped: subcallus with velvet dark interantennal spot; face and upper parafacial dark gray with some black small spot. Antenna with scape oval-round shaped, slightly expanded subshining brown, flagellum black, plate of flagelloum shorter than scape. Palpul II rather stout at base, brownish, 4.5 time as broad as high, with mixed black and white hairs. Scutum black, with three gray strips, midian strip narrow, sublateral pair ending in scutal sulcus, with white small spots behind scutal sulcus. Scutellum black, with or without gray round spot. Wings dark brown, with pale marks in usual pattern, subipical band single, reaching or not reaching hind margin without pale spot at wing margin in posterior cells or sometimes with indistinct spot in posterior cells 5. Fore femora gray, mid and hind femora red-brown; tibia black, each with two brown bands; tarsi dark, but base of tarsi yellow. Halter stem browish knob black. Abdomenal tergites black, hind margin of all tergites with a band of white hairs; sternites gray with midean black stripe.

Male. Length 13 mm. Eye with upper 2/3 facets larger than lower 1/3 facets. Subcallus gray, shining black at middle, Antenna with scape black, oval-round, gray pollinose. Palpus II brownish, oval-round, black long hairs. subbasal fore-tibiae each with a brown band. Tergites II-III with brown spots laterally. Other parts as in the female.

Holotype ♀, Litang County (Kang Ga) Sichuan Province, 3700 m, June 1, 1982. Chai Huai-ceng. Allotype ♂ and paratypes 29 ♀♀ same as holotype. Paratypes 2♀♀ Xiangcheng County (Chai He) 3000 m, June, 20, 1982.

All the types are deposited in the Institute of Zoology, Academia Sinica.

This new species is similar to *Haematopota gregori* Stone et Philip, but distinguished from the latter by the scape oval-round shaped with brown sheen, frons broad, paired spots larger.